

Evaluation of Corn PRE-Emergence Herbicides

Janesville, WI 2022

Trial Information

Trial Sponsor(s): Wisconsin Weed Science

Objective: Evaluate residual control of troublesome weeds with single and multiple SOA herbicide products commonly used in corn production

Crop: Corn

Hybrid: NK9653-5222 EZ1

Weed species (pressure): Giant ragweed (high-very high)

Herbicide Application(s): PRE – 5/11

For the full report see trial #22-ROK-CN11 in the [2022 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON

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Trt #	Herbicide (rate acre ⁻¹)	Giant Ragweed	
		21 DAT	27 DAT
1	Untreated Check	0	0
One-Pass PRE			
2	Diflexx (16 fl oz)	70	70
3	AAtrex (2 pt)	26	24
4	Princep 4FL (2 qt)	44	30
5	Harness (2 pt)	49	45
6	Dual II Magnum (1.67 pt)	30	21
7	Balance Flexx (4.5 fl oz)	34	34
8	Callisto (5 fl oz)	28	26
9	Harness Max (2 qt)	55	50
10	Corvus (5.6 fl oz)	49	41
11	Bicep Lite II Magnum (1.75 qt)	40	34
12	Harness Xtra (2 qt)	68	59
13	Verdict (15 fl oz)	46	46
14	Hornet WDG (4 oz)	44	41
15	Acuron Flexi (2 qt)	49	54
16	Acuron (2.5 qt)	36	40
17	Surestart II (2.5 pt)	38	35
18	Resicore (2.5 qt)	55	59
19	Maverick (1 qt)	40	50
LSD ($\alpha=0.10$)		16	17
p value		0.001	0.001

^aVisual control from 70-100% is illustrated on a color scale with green representing greater weed control values.

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Plot pictures taken on 6/1
21 days after the PRE application

The number in the upper right-hand corner is the average % giant ragweed control of 4 replications

21 days after PRE (6/1)
Untreated Check

0%



21 days after PRE (6/1)
PRE: 16 fl oz DiFlexx

70%



21 days after PRE (6/1)
PRE: 2 pt AAtrex

26%



21 days after PRE (6/1)
PRE: 2 qt Princep 4FL

44%



21 days after PRE (6/1)
PRE: 2 pt Harness

49%



21 days after PRE (6/1)
PRE: 1.67 pt Dual II Magnum

30%



21 days after PRE (6/1)
PRE: 4.5 fl oz Balance Flexx

34%



21 days after PRE (6/1)
PRE: 5 fl oz Callisto

28%



21 days after PRE (6/1)
PRE: 2 qt Harness MAX

55%



21 days after PRE (6/1)
PRE: 5.6 fl oz Corvus

49%



21 days after PRE (6/1)

PRE: 1.75 qt Bicep Lite II Magnum

40%



21 days after PRE (6/1)
PRE: 2 qt Harness Xtra

68%



**21 days after PRE (6/1)
PRE: 15 fl oz Verdict**

46%



**21 days after PRE (6/1)
PRE: 4 oz Hornet WDG**

44%



21 days after PRE (6/1)
PRE: 2 qt Acuron Flexi

49%



21 days after PRE (6/1)
PRE: 2.5 qt Acuron

36%



**21 days after PRE (6/1)
PRE: 2.5 pt SureStart II**

38%



**21 days after PRE (6/1)
PRE: 2.5 qt Resicore**

55%



**21 days after PRE (6/1)
PRE: 1 qt Maverick**

40%



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Plot pictures taken on 6/7
27 days after the PRE application

The number in the upper right-hand corner is the average % giant ragweed control of 4 replications

27 days after PRE (6/7)
Untreated Check

0%



27 days after PRE (6/7)
PRE: 16 fl oz DiFlexx

70%



27 days after PRE (6/7)
PRE: 2 pt AAtrex

24%



27 days after PRE (6/7)
PRE: 2 qt Princep 4FL

30%



27 days after PRE (6/7)
PRE: 2 pt Harness

45%



27 days after PRE (6/7)
PRE: 1.67 pt Dual II Magnum

21%



27 days after PRE (6/7)
PRE: 4.5 fl oz Balance Flexx

34%



27 days after PRE (6/7)
PRE: 5 fl oz Callisto

26%



27 days after PRE (6/7)
PRE: 2 qt Harness MAX

50%



27 days after PRE (6/7)
PRE: 5.6 fl oz Corvus

41%



27 days after PRE (6/7)
PRE: 1.75 qt Bicep Lite II Magnum

34%



27 days after PRE (6/7)
PRE: 2 qt Harness Xtra

59%



27 days after PRE (6/7)
PRE: 15 fl oz Verdict

46%



**27 days after PRE (6/7)
PRE: 4 oz Hornet WDG**

41%



27 days after PRE (6/7)
PRE: 2 qt Acuron Flexi

54%



27 days after PRE (6/7)
PRE: 2.5 qt Acuron

40%



**27 days after PRE (6/7)
PRE: 2.5 pt SureStart II**

35%



27 days after PRE (6/7)
PRE: 2.5 qt Resicore

59%



27 days after PRE (6/7)
PRE: 1 qt Maverick

50%

